

## ABSTRACT OF THE DISCLOSURE

A signal to noise ratio estimator and method for a received signal which includes a communication component and a noise component is disclosed. One embodiment is an in-service, blind, decision-directed estimator for a CPFSK communication signal. A preferred embodiment determines the power of a communication signal component by combining the received signal with a signal that is a delayed complex conjugate of the received signal and then removing the real component of the combined signal.

5003948.1